

Abstract

The present invention relates to telecommunications equipment racks including vertical cable guides, horizontal troughs, cross aisle panels and cross-connection modules for telecommunications equipment racks. The vertical cable guides define vertical cable channels for both network infrastructure and cross-connection cables. The structure defining the second cable channel is hingedly attached to the structure defining the first cable channel. The horizontal cable troughs include both upper and lower troughs. The upper cable trough defines two cableways for directing cross-connection and other cables, and provides access openings for cables to pass into and out of each cableway and between the two cableways. The lower cable trough defines a cableway and provides access openings for cables extending into and out of the cableway. Cable troughs attached to adjacently mounted equipment racks cooperate to form continuous horizontal cableways. The cross aisle panel includes movable cable guide structures to permit access to connectors mounted on the panel. The cross-connection modules provide multiple connector planes on the rear of the module to increase the number of circuits the module can support.

